



FortiSwitch™-Compatible Transceivers

Transceiver specifications can be found in the [Fortinet Transceivers datasheet](#) on the Fortinet website.

Each row in the following table shows which FS-series, FG-series, and FR-series transceivers are compatible with each FortiSwitch model.

FortiSwitch Models	FS-TRAN-FX/FTLF1217P2BTL 100Mb	FG-TRAN-LX/AFCT-5710PZ 1G	FG-TRAN-GC/FCLF-8521-3 1G	FG-TRAN-SX/AFBR-5710PZ/ FTLF8519P3BNL 1G	FS-TRAN-GC/LCP-1250RJ3SR-K/ FCLF-8521-3 1G	FG-TRAN-SFP+SR/AFBR-709ASMZ/ FTLX8571D3BCL/FTLX8574D3BCL 10G	FG-TRAN-SFP+LR/AFCT-739ASMZ/ FTLX1471D3BCL 10G	FS-TRAN-SFP+SR/FTLX8571D3BCV/ FTLX8574D3BCL 10G	FS-TRAN-SFP+ER/FTLX1672D3BCL 10G	FG-TRAN-QSFP+SR/FTL410QE2C/ QCP-10G3A4EDR 40G	FG-TRAN-QSFP+LR/FTL4C1QE1C 40G	FG-TRAN-QSFP+SR-BIDI/AFBR-79EBPZ 40G	FG-TRAN-QSFP28-SR4/ FTLC9551REPM 100G	FG-TRAN-QSFP28-LR4/ FTLC1151RDPL 100G	FR-TRAN-ZX/FTLF1518P1BTL 1G	FR-TRAN-SX/FTLF8519P3BTL 1G
FS-1024D	✓	✓		✓	✓	✓	✓	✓	✓						✓	✓
FS-1024E		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
FS-T1024E											✓	✓	✓		✓	✓
FS-1048D	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓
FS-1048E		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
FS-3032D											✓	✓	✓	✓		
FS-3032E											✓	✓	✓	✓		
FS-108E	✓	✓	✓	✓	✓										✓	✓
FS-108E-POE	✓	✓	✓	✓	✓										✓	✓
FS-108E-FPOE	✓	✓	✓	✓	✓										✓	✓
FS-108F	✓	✓	✓	✓	✓										✓	✓
FS-108F-POE	✓	✓	✓	✓	✓										✓	✓
FS-108F-FPOE	✓	✓	✓	✓	✓										✓	✓
FS-124E	✓	✓	✓	✓	✓										✓	✓
FS-124E-POE	✓	✓	✓	✓	✓										✓	✓
FS-124E-FPOE	✓	✓	✓	✓	✓										✓	✓
FS-124F		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-124F-POE		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-124F-FPOE		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-148E	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-148E-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-148F		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-148F-POE		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-148F-FPOE		✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
FS-224D-FPOE		✓	✓	✓	✓										✓	✓
FS-248D		✓	✓	✓	✓										✓	✓
FS-224E		✓	✓	✓	✓										✓	✓

FortiSwitch Models	FS-TRAN-FX/FTLF1217P2BTL 100Mb	FG-TRAN-LX/AFCT-5710PZ 1G	FG-TRAN-GC/FCFLF-8521-3 1G	FG-TRAN-SX/AFBR-5710PZ/ FTLF8519P3BNL 1G	FS-TRAN-GC/LCP-1250RJ3SR-K/ FCFLF-8521-3 1G	FG-TRAN-SFP+SR/AFBR-709ASMZ/ FTLX8571D3BCL/FTLX8574D3BCL 10G	FG-TRAN-SFP+LR/AFCT-739ASMZ/ FTLX1471D3BCL 10G	FS-TRAN-SFP+SR/FTLX8571D3BCV/ FTLX8574D3BCL 10G	FS-TRAN-SFP+ER/FTLX1672D3BCL 10G	FG-TRAN-QSFP+SR/FTL410QE2C/ QCP-10G3A4EDR 40G	FG-TRAN-QSFP+LR/FTL4C1QE1C 40G	FG-TRAN-QSFP+SR-BIDI/AFBR-79EBPZ 40G	FG-TRAN-QSFP28-SR4/ FTLC9551REPM 100G	FG-TRAN-QSFP28-LR4/ FTLC1151RDPL 100G	FR-TRAN-ZX/FTLF1518P1BTL 1G	FR-TRAN-SX/FTLF8519P3BTL 1G
FS-224E-POE	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FS-248E-POE	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FS-248E-FPOE	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FS-424D	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FS-424D-POE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-424D-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-424E	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-424E-POE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-424E-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-424E-Fiber ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-M426E-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448D	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448D-POE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448D-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448E	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448E-POE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-448E-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	✓	✓
FS-524D	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓
FS-524D-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓
FS-548D	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓
FS-548D-FPOE	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	✓	✓
FSR-112D-POE	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FSR-124D	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	✓	✓
FSR-424F-POE	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	✓	✓

1. For the FSW-424E-Fiber model, the first 24 ports support 1G transceivers and FS-TRAN-FX (100Base-FX); ports 25-28 are 1G/10G capable.

Each row in the following table shows which FN-series transceivers are compatible with each FortiSwitch model.

FortiSwitch Models	FN-TRAN-GC/ LCP-1250RJ3SRTFN 1G ²	FN-TRAN-SX/ FTLF8519P3BNLFTN 1G	FN-TRAN-LX/ FTLF1318P3BTLFTN 1G	FN-TRAN-DSL/180-T 1G ¹	FN-TRAN-SFP+SR/ FTLX8674D3BCLFTN 10G	FN-TRAN-SFP+LR/ FTLX1475D3BCLFTN 10G	FN-TRAN-SFP+ER/ FTLX1672D3BCLFTN 10G	FN-TRAN-SFP+GC/ LCP-10GRJ3SRFN 10G	FN-TRAN-SFP+ZR/ FTLX1871D3BCLFTN 10G	FN-TRAN-SFP+BD27 FTLX2672DN27FTN 10G	FN-TRAN-SFP+BD33 FTLX2672DN33FTN 10G	FN-TRAN-QSFP+SR/ FTL410QE4CFTN 40G	FN-TRAN-QSFP+LR/ FTL4C1QE2CFTN 40G	FN-TRAN-QSFP+ER/ FTL4E1QE1CFTN 40G	FN-TRAN-QSFP28-SR/ FTLC9558REPMFTN 100G	FN-TRAN-QSFP28-LR/ FTLC1154RDPLFTN 100G	FN-TRAN-QSFP28-CWDM4/ FTLC1155RGPLFTN 100G	FN-TRAN-QSFP28-ER/ FTLC1156RDPLAFTN 100G	FN-TRAN-QSFP28-DR/ FTLC4352RHPLFTN 100G	FN-TRAN-QSFP28-BIDI/ AFBR-89BDDZ 100G	FN-TRAN-QSFP28-BIDI/ OPCW-WX1-85-CBN 100G
FS-1024D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-1024E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-T1024E												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-1048D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-1048E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-3032D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-3032E												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FS-108E	✓	✓	✓	✓																	
FS-108E-POE	✓	✓	✓	✓																	
FS-108E-FPOE	✓	✓	✓	✓																	
FS-108F	✓	✓	✓	✓																	
FS-108F-POE	✓	✓	✓	✓																	
FS-108F-FPOE	✓	✓	✓	✓																	
FS-124E	✓	✓	✓	✓																	
FS-124E-POE	✓	✓	✓	✓																	
FS-124E-FPOE	✓	✓	✓	✓																	
FS-124F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-124F-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-124F-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-148E	✓	✓	✓	✓																	
FS-148E-POE	✓	✓	✓	✓																	
FS-148F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-148F-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-148F-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-224D-FPOE	✓	✓	✓	✓																	
FS-248D	✓	✓	✓	✓																	
FS-224E	✓	✓	✓	✓																	
FS-224E-POE	✓	✓	✓	✓																	
FS-248E-POE	✓	✓	✓	✓																	
FS-248E-FPOE	✓	✓	✓	✓																	
FS-424D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424D-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424D-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424E-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424E-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-424E-Fiber ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-M426E-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-448D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-448D-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										

FortiSwitch Models	FN-TRAN-GC/ LCP-1250RJ3SRFTN 1G ²	FN-TRAN-SX/ FTLF8519P3BNLFTN 1G	FN-TRAN-LX/ FTLF1318P3BTLFTN 1G	FN-TRAN-DSL/180-T 1G ¹	FN-TRAN-SFP+SR/ FTLX8574D3BCCLFTN 10G	FN-TRAN-SFP+LR/ FTLX1475D3BCCLFTN 10G	FN-TRAN-SFP+ER/ FTLX1672D3BCCLFTN 10G	FN-TRAN-SFP+GC/ LCP-10GRJ3SRFN 10G	FN-TRAN-SFP+ZR/ FTLX1871D3BCCLFTN 10G	FN-TRAN-SFP+BD27 FTLX2672DN27FTN 10G	FN-TRAN-SFP+BD33 FTLX2672DN33FTN 10G	FN-TRAN-QSFP+SR/ FTL410QE4CFTN 40G	FN-TRAN-QSFP+LR/ FTL4C1QE2CFTN 40G	FN-TRAN-QSFP+ER/ FTL4E1QE1CFTN 40G	FN-TRAN-QSFP28-SR/ FTLC9558REPMFTN 100G	FN-TRAN-QSFP28-LR/ FTLC1154RDPLFTN 100G	FN-TRAN-QSFP28-CWDM4/ FTLC1155RGPLFTN 100G	FN-TRAN-QSFP28-ER/ FTLC1156RDPLAFTN 100G	FN-TRAN-QSFP28-DR/ FTLC4352RHPLFTN 100G	FN-TRAN-QSFP28-BIDI/ AFBR-89BDDZ 100G	FN-TRAN-QSFP28-BIDI-/ OPCW-WX1-85-CBN 100G
FS-448D-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-448E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-448E-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-448E-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
FS-524D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FS-524D-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FS-548D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FS-548D-FPOE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
FSR-112D-POE	✓	✓	✓	✓																	
FSR-124D	✓	✓	✓	✓																	
FSR-424F-POE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							

1. Use the following FortiGate models to manage FN-TRAN-DSL: FG-80F, FG-81F, FG-80F-BP, FGR-60F, FGR-60F-3G4G, FG-60F, and FG-40F-3G4G. A FortiSwitch unit running in standalone mode cannot program the physical-layer attributes on the DSL module.
2. The `set speed 1000auto` command is required when FN-TRAN-GC is used with a FortiSwitch unit.

Direct-Attach Cables and Split Cables

Each row in the table shows which cables are compatible with each FortiSwitch model.

[illegible]

1. Breakout cables only

CHANGE LOG	
July 11, 2018	Initial document release
July 12, 2018	Updated the 100G columns.
July 25, 2018	Added a table for direct-attach cables and split cables.
September 4, 2018	Changed the speed for FS-TRAN-FX. Added SP-CABLE cables.
May 16, 2019	Added rows for FS-3032E, FS-148E, and FS-148E-POE. Removed FortiSwitch models that do not support direct-attach cables and split cables from the second table.
June 13, 2019	Updated the FS-3032E row.
October 18, 2019	Added FN-TRAN-SFP+GC.
November 5, 2019	Added 3032E to the second table.
December 3, 2019	Corrected cable name.
December 10, 2019	Added FR-TRAN-ZX.
February 14, 2020	Removed FS-TRAN-SFP+GC and FS-TRAN-SFP+LRM. Added FS-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, and FS-M426E-FPOE.
March 12, 2020	Added FG-TRAN-QSFP+SR-BIDI/AFBR-79EBPZ. Updated which switches support FR-TRAN-ZX.
April 6, 2020	Added FS-448E, FS-448E-POE, and FS-448E-FPOE.
April 29, 2020	Added 1048E support for FG-TRAN-QSFP-4XSFP and FG-TRAN-QSFP-4SFP-5.
May 4, 2020	Added 13 FN-series transceivers. Corrected the FS-3032D row in the first table.
July 22, 2020	Added vendor part numbers to SP-CABLE cables.
August 17, 2020	Expanded the note for the FS-424E-Fiber model.
November 30, 2020	Removed SP-CABLE-FS-SFP+7/OPSFPP-T-07-PAB. Added the FS-1xxF models.
December 2, 2020	Removed FN-TRAN-GC support by the FS-1024D and FS-1048D models.
December 3, 2020	Removed FN-TRAN-GC and FCLF8521P2BTL.
January 15, 2021	Updated the FS-148F-FPOE row in the first table. Corrected the description of FR-TRAN-ZX.
March 22, 2021	Added FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148F, FS-148F-POE, and FS-148F-FPOE to the Direct-Attach Cables and Split Cables table.
March 31, 2021	Updated note 2.
April 3, 2021	Added FS-1xxF support for FN-TRAN-SFP+LR, FN-TRAN-SFP+ER, and FG-TRAN-SFP+GC.
May 17, 2021	Updated note 1.
October 20, 2021	Added FN-TRAN-DSL.

CHANGE LOG		
November 30, 2021		Added FS-108F.
December 1, 2021		Updated the FS-TRAN-FX column (removed the 124F series and 148F series).
December 3, 2021		Added FN-TRAN-GC. Added FS-108F-POE, FS-108F-FPOE, FS-1024E, and FS-T1024E to the transceivers tables. Added support by FS-108E, FS-108E-POE, FS-108E-FPOE, FS-124E, FS-124E-POE, and FS-124E-FPOE for FS-TRAN-FX.
December 7, 2021		Added FS-1024E and FS-T1024E to the cables table.
December 15, 2021		Replaced FN-TRAN-GC (FCLF8522P2BTLFTN) with FN-TRAN-GC (LCP-1250RJ3SRTFN).
February 11, 2022		Updated the FS-T1024E row in each table. Removed FN-TRAN-SFP28-SR and FN-TRAN-SFP28-LR.
March 3, 2022		Added supported transceivers for the FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, and FS-148F-FPOE models in the first table. Added supported transceivers for the FS-148E and FS-148E-POE models in the second table.
March 4, 2022		Updated the models supporting FG-TRAN-GC and FN-TRAN-DSL.
March 21, 2022		Corrected the models supporting FN-TRAN-GC (removed the support of FS-3032D and FS-3032E).
April 26, 2022		Removed the support of FS-1024E and FS-T1024E for FG-TRAN-QSFP-4SFP-5 and FG-TRAN-QSFP-4XSFP.
June 9, 2022		Added FR-TRAN-SX.
November 4, 2022		Added a second note ("The <code>set speed 1000auto</code> command is required when FN-TRAN-GC is used with a FortiSwitch unit.") to the second table.
December 12, 2022		<div>Added the following:<ul style="list-style-type: none">FN-CABLE-QSFP28-1/OPQS28-T-01-PEVFN-CABLE-QSFP28-2/OPQS28-T-02-PEVFN-CABLE-QSFP28-3/OPQS28-T-03-PEVFN-CABLE-QSFP28-5/OPQS28-T-05-PEVFN-CABLE-QSFP28-4SFP28-1/NDAQGF-FN01FN-CABLE-QSFP28-4SFP28-3/NDAQGJ-FN03FN-CABLE-QSFP28-4SFP28-5/NDAQGJ-FN05FN-TRAN-SFP+ZRFN-TRAN-QSFP+ERFN-TRAN-QSFP28-ERFN-TRAN-QSFP28-DRAlso added more manufacturing part numbers.</div>
January 25, 2023		Removed the support of FS-124F, FS-124F-POE, and FS-124F-FPOE for SP-CABLE-FS-SFP+3/OPSFPP-T-03-PEB and SP-CABLE-FS-SFP+5/OPSFPP-T-05-PAB. Removed the support of FS-148F, FS-148F-POE, and FS-148F-FPOE for SP-CABLE-FS-SFP+5/OPSFPP-T-05-PAB.
March 17, 2023		Added FN-TRAN-SFP+BD27 and FN-TRAN-SFP+BD33.
June 19, 2023		Added FN-CABLE-SFP+1, FN-CABLE-SFP+3, and FN-CABLE-SFP+5.
June 20, 2023		<div>Added the following:<ul style="list-style-type: none">FN-TRAN-QSFP28-BIDI-I/OPCW-WX1-85-CBNFN-TRAN-QSFP28-BIDI/AFBR-89BDDZFN-CABLE-QSFP+1/NDAAEA-FN01FN-CABLE-QSFP+3/NDAAEA-FN03FN-CABLE-QSFP+5/NDAAED-FN05</div>

CHANGE LOG	
June 23, 2023	Added FSR-424F-POE to the three tables.

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